

ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP

April 15, 2010

COMMITTEE MEMBERS PRESENT

Ed Mandich, Committee Chair
Matt Disston, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Hector Ruiz, District Engineer
Teresa Teichman, District Secretary
Kris Hanberg, Wastewater Supervisor
Neil McKenna, Water Supervisor
Bob Beck, Maintenance Supervisor
Michael Perea, Special Projects Manager

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:07 a.m.

PUBLIC PARTICIPATION

Public comments were announced. There were no oral or written comments.

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

There were no comments.

REPORT FROM THE GENERAL MANAGER

There was no report from the General Manager.

PROJECT MANAGEMENT

ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL
WATER TREATMENT FACILITY

Mr. Hector Ruiz, District Engineer, stated that the Baker WTP Committee is scheduled to meet on April 15, 2010.

Mr. Ruiz reviewed the project schedule, stated the Baker WTP Preliminary Design Report is complete and copies will be distributed at the committee meeting. More information will be provided at the time of the May 13 Committee Meeting.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1B) STATUS UPDATE RELATING TO ROSE CANYON AND LANG
WELLS GROUNDWATER TREATMENT FACILITY

Mr. Ruiz stated the Project is proceeding smoothly and that there have been no change orders to date. Mr. Ruiz updated the Committee as to the progress and status of the phases of construction occurring at the site.

Mr. Ruiz stated Southern California Edison (SCE) has provided temporary power to the Rose Well.

Mr. Ruiz provided a rock veneer sample of the product which will partially cover the exterior face of the perimeter wall.

Mr. Ruiz reviewed the proposal from GMU Geotechnical, Inc for additional special inspection and building inspection services for the project. The scope of services and costs were discussed with the committee.

The Engineering/Operational Committee received the status update and recommended forwarding GMU's proposal for special inspection and building inspection services to the Board for consideration. (Action calendar).

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ITEM NO. 1C) STATUS UPDATE RELATING TO WATER MONITORING AND
WATER CONSERVATION EFFORTS

Mr. Don Chadd, General Manager, discussed the year-to-date water allocation tables provided by the Municipal Water District of Orange County (MWDOC). Mr. Chadd noted TCWD has reduced its retail water usage by eleven percent.

Mr. Chadd discussed the article in today's Orange County Register wherein the Metropolitan Water District is projecting a 15% rate hike over the next two years with the first increase occurring in January of 2011.

The Engineering and Operational Committee received the status update. No action taken.

ITEM NO. 1D) STATUS UPDATES REGARDING ON-GOING ENGINEERING
PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz is continuing to work with maintenance staff to evaluate replacement of the dry pit pumps and the rehabilitation of the surge tank.

2. Water Systems Inter-Tie Reliability Study

Mr. Ruiz reported that TCWD water operations staff and he are continuing to work with IRWD and SMWD staff on the agencies inter-tie evaluations. A table of emergency inter-ties was provided for the committee's review.

Mr. Ruiz will provide a map of the inter-tie locations at next month's Committee Meeting.

3. Shadow Rock Detention Basin Project

Mr. Ruiz reported that the continuation of this project is pending SCE being able to provide power and obtaining an easement from the owner to SCE for the installation of power poles and lines to the proposed pump station.

Mr. Ruiz provided a handout identifying existing power lines and proposed overhead power lines and identified the area in which the easement is needed.

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4. T-mobile Trabuco Highlands Reservoir Antenna Installation

Mr. Ruiz reported the developer estimates breaking ground within the next month.

5. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz stated he has met with TCWD operations staff and will meet with the design engineer for more details regarding the scope of work.

6. El Toro Road Sewer Lift Station

Mr. Ruiz stated he is working with TCWD's Maintenance Supervisor for updated quotes to replace equipment at this site.

Mr. Ruiz stated IRWD is currently working with their legal staff for revised amendments to the original agreements, once those documents are received, Mr. Ruiz will provide an update.

7. Dove Lake Evaluation

Mr. Ruiz advised he has received a scope of work to perform an evaluation of the lake as it pertains to seasonal lake turnover and odor generation. Mr. Ruiz has requested more detailed information from the consultant and will provide an update at the next Committee Meeting.

8. Trabuco Canyon Water District Server Evaluation

Mr. Michael Perea, Special Projects Manager stated TCWD's computer firewalls have been replaced district wide and a Virtual Private Network (VPN) has been created for a more secure connection from remote users.

Mr. Perea is in the process of obtaining quotes to upgrade the current computer hardware and software and is preparing a master plan for future upgrades.

9. Other Projects

Mr. Ruiz demonstrated a section of 16" steel pipe from the water transmission line between the Dimension Water Treatment Plant and the Ridgeline Pump Station.

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Mr. Ruiz noted the cement lining and the steel are in good condition. It was noted past failures have occurred at previously repaired locations, primarily at pipe joints. Staff is considering repairing these areas versus replacement of this line, or cathodic protection.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM 1E) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Orange County Fire Authority Sewer System Project

Mr. Ruiz mentioned the OCFA has awarded the contract, and that all inspections will be performed by the County of Orange. The District will assist the County and OCFA as needed with District

2. Oaks at Trabuco

There is no new activity to report.

3. Rancho Las Lomas

There is no new activity to report.

4. Other Active Developments

No other developments were discussed.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1F) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the March 2010 update.

Source Water Production

1. The water treatment plant production totaled 5 acre feet.
2. The Rose Canyon Well produced 56 acre feet and the Lang Well produced 40 acre feet.
3. The average daily demand was 4.6 acre feet, or 2.3 cfs.

Projects and Repairs

1. Water Department Personnel repaired a 1-inch water service line on Atkinson Drive in Trabuco Oaks.
2. Water Department Personnel repaired a 1-inch water service line on Horse Tree Circle in the lower Robinson Ranch Community.
3. Water Department Personnel have begun hydrant flushing in the Trabuco Reservoir zone.

Mr. McKenna noted there was additional water purchased from SMWD this month due to the Filter plant being down during the surge tank repairs.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1G) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the March 2010 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 63 acre feet.
2. The recycled water demand was 24 acre feet.
3. Dove Lake had 0.8 feet of freeboard.
4. The reclaimed water reservoir had 1.0 feet of freeboard.
5. The District pumped a total of 26.5 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 9.4 acre feet.

Projects

1. District Personnel dug out a manhole discovered in a residential backyard in the Portola Hills area and removed root obstruction.
2. District Personnel has provided SMWD 252 acre feet since December 2009.

Mr. Hanberg reviewed the Sewer System Management Plan (SSMP) Report for March.

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Mr. Hanberg discussed the recent 24" force main break in the SMWD area and the level of cooperation and collaboration between agencies. TCWD provided equipment and manpower during this emergency.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1H) MARCH 2010 OPERATIONAL REPORT REVIEW

There were no anomalies to report.

The Engineering/Operational Committee received and filed the report. No action taken.

ITEM NO. 1I) ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the March 11, 2010 Engineering/Operational Committee Meeting Recap.(Consent Calendar.)

ITEM NO. 1J) DISCUSSION RELATING TO ACTIVITIES FOR WATER AWARENESS MONTH

Mr. Perea reviewed the activities planned to date and advised all agencies participating in the event have confirmed their attendance. Mr. Perea also noted one side of April's On-Tap addressed the events of Open House Day.

The Engineering/Operational Committee received and filed the report. No action taken.

ITEM NO. 1K) OTHER MATTERS/REPORT

Mr. Chadd advised the Committee that the City of Rancho Santa Margarita is requesting to move forward with the Plano Median Reclaimed Water Project in order to fulfill the provisions of their grant funding. Mr. Chadd advised staff will present information at the time of the April Regular Board Meeting for direction from the Board of Directors.

The Engineering/Operational Committee received the information as presented and forwarded to the Board. (Action Calendar).

ADJOURNMENT

Committee Chair Mandich adjourned the April 15, 2010
Engineering/Operational Committee Meeting at 8:17 a.m.